

Abstract

A bearing apparatus for supporting a pinion shaft comprises a pair of rolling bearings which rotatably support a pinion shaft to a case and are arranged side by side in a shaft direction between
5 a pinion gear arranged at one end of the pinion shaft, and a companion flange attached outside the other end thereof. The rolling bearing on a companion flange side comprises an angular ball bearing, and a radius of curvature R_i of an inner ring raceway, a radius of curvature R_o of an outer ring raceway, and a ball diameter B_d of
10 the rolling bearing may satisfy a relationship given by equations of $R_i < R_o$, $0.502 \times B_d \leq R_i \leq 0.512 \times B_d$, and $0.510 \times B_d \leq R_o \leq 0.520 \times B_d$.